



## **Caesar Chavez Middle School Water Sampling Lead Analysis Report**

### **1. INTRODUCTION**

#### **1.1. GENERAL**

This report presents the results of our water sampling performed at the site of Caesar Chavez Middle School, 6782 Goldsmith, Detroit MI., on July 29, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

#### **1.2. OBJECTIVES AND SCOPE**

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

#### **1.3. AUTHORIZATION**

Authorization was provided by phone for our Professional Services by John Diegel on July 21<sup>st</sup>, 2016.

### **2. SITE INVESTIGATIONS**

#### **2.1. FIELD PROGRAM**

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

#### **2.2 LABORATORY TESTING**

##### **2.2.1. General**

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



**GS GROUP LLC**

Green S.P.A.C.E.S Protect Our Earth

Results of the tests indicate that the water is below the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

### **3. DISCUSSIONS AND RECOMMENDATIONS**

#### **3.1. DISCUSSIONS OF FINDINGS**

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters  
Field Scientist

Monica Starks, CIEC  
Principal

Council-certified Indoor Environmental  
Consultant Board-awarded by the  
American Council for Accredited  
Certification



Appendix 1, Lab Results, Chain of Custody



**GS GROUP LLC**  
Green S.P.A.C.E.S Protect Our Earth

**APPENDIX 1**  
**Laboratory Results and Chain of Custody**

**17800 Woodward Ave Suite 200**  
**Detroit, MI 48203**

**National Testing Laboratories, Ltd**

556 South Mansfield, Ypsilanti, MI, 48197-5166

(440) 449-2525, Fax: (440) 449-8585

**ANALYTICAL REPORTS****SAMPLE CODE: 358722****8/10/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Caesar Chavez, S-01-LF-01-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00**Collected by:** A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)

**"NA"** Not Analyzed

**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

**"DF"** This column indicates the contaminant dilution factor.

**Report Notes:**

6782 Goldsmith

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	7/29/2016 06:45		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



James Abston, Operations Manager

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**ANALYTICAL REPORTS****SAMPLE CODE: 358723****8/10/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Caesar Chavez, S-01-LF-01-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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**Report Notes:**

6782 Goldsmith

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<b>Inorganic Analytes - Metals</b>										
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These test results may be used for compliance purpose as required.

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**ANALYTICAL REPORTS****SAMPLE CODE: 358718****8/10/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Caesar Chavez, S-01-BF-02-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00**Collected by:** A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

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**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)

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**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

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**Report Notes:**

6782 Goldsmith

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	7/29/2016 06:45		8/8/2016

These test results may be used for compliance purpose as required.

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JP	200.8



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**ANALYTICAL REPORTS****SAMPLE CODE: 358719****8/10/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Caesar Chavez, S-01-BF-02-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00**Collected by:** A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

**"DF"** This column indicates the contaminant dilution factor.

**Report Notes:**

6782 Goldsmith

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	7/29/2016 06:45		8/8/2016

These test results may be used for compliance purpose as required.

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**ANALYTICAL REPORTS****SAMPLE CODE: 358720****8/10/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203

**Source:** Caesar Chavez, S-02-GF-03-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00**Collected by:** A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)

**"NA"** Not Analyzed

**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

**"DF"** This column indicates the contaminant dilution factor.

**Report Notes:**

6782 Goldsmith

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.011	1	7/29/2016 06:45		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



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**National Testing Laboratories, Ltd**556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 358721****8/10/2016****Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave #200  
Detroit, MI 48203**Source:** Caesar Chavez, S-02-GF-03-F  
**Source City:** Detroit  
**Source State:** MI**Date/Time Received:** 8/3/2016 14:00**Collected by:** A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

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6782 Goldsmith

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	7/29/2016 06:45		8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8



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**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

358722

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/29/16

Time Sampled: 06:45

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Caesar Chavez

Address: 6782 Goldsmith

Phone Number: 313-909-8823

PWS ID# (if applicable):

N/A

Sample ID or Source: S-01-LF-01-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, MI

(If Different than Above)

Sample Collected By: Aaron Hayden

(Signature)

Sample Collected By: Aaron Hayden

(Please Print)

Form Completed By: Michael Ertter

Additional Comments:

The location sampled is a School. This is Sample #1, First Ground.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

- ☒ Sample receipt criteria checked & acceptable.  
☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

Order Date: 05/20/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

358723



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/29/16

Time Sampled: 06:45

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name:

Caesar Chavez

Address:

6782 Goldsmith

Phone Number:

313-909-8823

PWS ID# (if applicable):

N/A

Sample ID or Source: S-01-LF-01-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State:

Detroit, Mi.

(If Different than Above)

Sample Collected By:

Aaron Hayden

(Signature)

Sample Collected By:

Aaron Hayden

(Please Print)

Form Completed By:

Michael Bitz

Additional Comments:

The location sampled is a school. This is sample #1, flush sample.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received:

8/3/16

Time Received:

14:00

Received By:

EF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

Order Date: 05/20/2016

Sample Number:

Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

358718



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/29/16

Time Sampled: 06:45

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name:

Address:

Phone Number:

6782 Goldsmith

Number:

313-909-8823

PWS ID# (if applicable):

N/A

Sample ID or Source:

S-01-13F-02-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State:

Detroit, Mi.

(If Different than Above)

Sample Collected By:

Aaron Hayden

(Signature)

Sample Collected By:

Aaron Hayden

(Please Print)

Form Completed By:

Michael Bittles

Additional Comments:

The location sampled is a school. This is Sample #2, first draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received:

8/3/16

Time Received:

14:00

Received By:

DF

- ☒ Sample receipt criteria checked & acceptable.  
☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

358719

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/29/16

Time Sampled: 06:45

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Caesar Chavez

Address: 6782 Goldsmith

Phone Number: 313-909-8823

PWS ID# (if applicable):

N/A

Sample ID or Source: S-01-BF-02-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, MI

(If Different than Above)

Sample Collected By: Aaron Hayden

(Signature)

Sample Collected By: Aaron Hayden

(Please Print)

Form Completed By: Michael B. HERS

Additional Comments:

This location sampled is a school. This is sample #2, flush sample.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

- ☒ Sample receipt criteria checked & acceptable.  
☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

358720

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 7/29/16

Time Sampled: 06:45

Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Caesar Chavez

Address: 6782 Goldsmith

Phone Number: 313-909-8823

PWS ID# (if applicable):

N/A

Sample ID or Source:

S-02-OF-03-7

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State:

Detroit, MI

(If Different than Above)

Sample Collected By:

Aaron Hayden  
(Signature)

Sample Collected By:

Aaron Hayden  
(Please Print)

Form Completed By:

Michael Evers

Additional Comments:

The location sampled is a school. This is Sample #3, First draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: DF

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

Order Date: 05/20/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

358721



Sold To:  
G. S. Group  
Monica Starks  
17800 Woodward Ave  
Detroit

MI 48203

Date Sampled: 7/29/16

Time Sampled: 06:45 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Caesar Chavez

Address: 6782 Goldsmith

Number: 313-909-8823

PWS ID# (if applicable): N/A

Sample ID or Source: S-02-GF-03-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: Aaron Hayden  
(Signature)

Sample Collected By: Aaron Hayden  
(Please Print)

Form Completed By: Michael Briers

Additional Comments: The location sampled was a school. This is sample #3, flush sample.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: 8/3/16

Time Received: 14:00

Received By: BF

- ☒ Sample receipt criteria checked & acceptable.  
☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS